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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/046,379	01/10/2002	Jimmy N. Eavenson SR.	096311.010P2	1646
33805 7590 11/14/2007 WEGMAN, HESSLER & VANDERBURG 6055 ROCKSIDE WOODS BOULEVARD			EXAMINER	
			HOGAN, JAMES SEAN	
SUITE 200 CLEVELAND, OH 44131			ART UNIT	PAPER NUMBER
	,	,	3752	
			MAIL DATE	DELIVERY MODE
	•		11/14/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)				
	10/046,379	EAVENSON ET AL.				
Office Action Summary	Examiner	Art Unit				
•	James S. Hogan	3752				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period was really received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be timulated and will expire SIX (6) MONTHS from a cause the application to become ABANDONE!	l. ely filed the mailing date of this communication. C (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 27 Se	Responsive to communication(s) filed on <u>27 September 2007</u> .					
2a) This action is FINAL . 2b) ⊠ This	This action is FINAL . 2b)⊠ This action is non-final.					
	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
4) ⊠ Claim(s) <u>6,7,10,12,15 and 17-20</u> is/are pending 4a) Of the above claim(s) is/are withdray 5) □ Claim(s) is/are allowed. 6) ⊠ Claim(s) <u>6, 7, 10, 12, 15, and 17-20</u> is/are reje 7) □ Claim(s) is/are objected to. 8) □ Claim(s) are subject to restriction and/or	vn from consideration.					
Application Papers						
9) The specification is objected to by the Examine						
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
Attachment(s)						
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal Pa	te				

DETAILED ACTION

Claim Rejections - 35 USC § 103

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claim 6, 7, 10, 12, 15, and 17-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent No. 6,253,416 to Lauer et al in view of U.S. Patent No. 6,548,760 to Stout Jr.

As per claim 6 Lauer et al. discloses a blower (See Fig. 4) with a nozzle adapted for mounting on the discharge chute of the blower having a nozzle body having an inlet end, an outlet end, and a sloped region gradually reducing the height of the channel from the inlet end to the outlet end (see Fig. 21-23). Lauer et al does not teach the discharge chute as having a first cross-sectional area at the inlet and a second cross-sectional area at the outlet, where the second cross-sectional area is less that the first, and that the cross-sectional area is due to a change in shape un an upper portion of the nozzle body. Stout Jr. teaches a reducer that reduces down from a large cross-section (14) to a small cross section (20), and teaches the use that the reducer's change in shape has an effect on the velocity of the fluid going through it that would provider the logic that an inverted reducer would increase velocity at an upper region (outer circumference) than an lower region (inner circumference) of the channel (Col. 1, lines 35-39). Further, as per claim 6, 10 and 11, 15, 17, 18 and 19, the nozzle of Lauer et al includes parallel side walls defining a channel that is being open at an inlet end, the first

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cross-sectional area, (i.e. an attachment region) and open at an outlet end, the second cross-sectional area. The sloped region gradually reduces a height of the channel from the inlet end to the outlet end and the lower is generally planar throughout a length (see Fig. 21-23). It would have been obvious to one having ordinary skill in the art at the time the invention was made to have modified the nozzle shape of Lauer et al with the nozzle shape taught by Stout Jr. in order to alter the velocity of air as it enters the nozzle at an inlet, and exits out of an outlet. As per claims 7 and 12, neither Lauer et al. or Stout Jr. teach the second cross-sectional area, the outlet end, being approximately 50% to 75% of the first cross-sectional area, the inlet end and the channel height of outlet end is approximately from 50% to 75% of the channel height of the inlet end. It would have been obvious matter of design choice to have made the second cross-sectional area, the outlet end, is approximately 50% to 75% of the first cross-sectional area, the inlet end and the channel height of outlet end is approximately from 50% to 75% of the channel height of the inlet end to provide a smaller opening at the outlet end to increase the velocity of the discharged air. As per claim 20, the nozzle of Lauer et al at the inlet end is the same shape as the shape of the discharge chute of such that the nozzle is mountable. Summarily, it would have been obvious to one having ordinary skill in the art at the time the invention was made to have achieved higher upper-to-lower air velocities in a the blower nozzle of Lauer et al by shaping the nozzle with a change in shape as taught by Stout Jr., and to have sized the outlet within a percentage proportion to the inlet to achieved the desired upper-to-lower nozzle region air velocities.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure

- U.S. Patent No. 6,003,199 to Shaffer
- U.S. Patent No. 6,378,166 to Bruno et al
- U.S. Patent No. 2,908,933 to Todd Jr. et al
- U.S. Patent No. 5,689,852 to Svoboda et al.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to James S. Hogan whose telephone number is (571) 272-4902. The examiner can normally be reached on Mon-Fri, 7:00a-4:00p EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kevin P. Shaver can be reached on (571) 272-4720. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

JSH 11/13/2007

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